

ABSTRACT

A soundboard for acoustic musical instruments of the kind in which sound radiation takes place by means of soundboards. A soundboard according to the invention is constructed as a composite fibre sandwich of a core plate and fibre coating. The fibre coating is characterized in that it is multidirectional and single-layer, or multidirectional and applied only to part-zones of the core plate. Because of its more favourable ratio of stiffness to mass relative to the conventional soundboards made from solid wood or composite, the soundboard according to the invention produces an increase in the sound radiation of the musical instrument.